

## Control Standards Data of Board Chemistry Parameters

Survey ID	Visit ID	Station ID

LAKE (Circle Selection)				
SUPERIOR (SU)	MICHIGAN (MI)	HURON (HU)	ERIE (ER)	ONTARIO (ON)

## Warning Limits for Board Chemistry

SAMPLE ID	Parameter	Control Standard	Measured Value	Remarks	Control Standard	Warning Limits	*Control Limits
	pH - (Low)	6.86 (SU)			Low - pH 6.86	6.66 - 7.6	6.56 - 7.16
	pH - (High)	9.18 (SU)			High - pH 9.18	8.98 - 9.38	8.88 - 9.48
	Conductivity (Low)	196.5 (µmhos/cm)			Low Conductivity 196.5	194.5 - 198.5	193.5 - 199.5
	Conductivity (High)	293.3 (µmhos/cm)			High Conductivity 293.3	291.3 - 295.3	290.3 - 296.3
	Alkalinity (Low)	40 (mg/L)			Low Alkalinity 40	38.6 - 41.4	38 - 42
	Alkalinity (High)	100 (mg/L)			High Alkalinity 100	98 - 102	97 - 103
	Turbidity (Low)	0.5 (NTU)			Low Turbidity 0.5	0.3 - 0.7	0.2 - 0.8
	Turbidity (High)	10 (NTU)			High Turbidity 10	8.6 - 11.4	8.0 - 12

Date of Control Check (mm/dd/yyyy)	Time of Control Check (Shiptime, military)	Analyst (initials)

Note: Control Standards should be analyzed at the onset, starting with the initial calibration of instruments for each lake survey and before the end of each 12-hour shift.

\*Applicable instruments should be re-calibrated and samples re-analyzed, if any control standards measured are not within range of the Control Limits.